

HIGH-POWER COMPACT DISC PLAYER
WITH FM/AM TUNER

SUPER TUNER

OWNER'S MANUAL

Thank you for purchasing this PIONEER product. Before attempting operation, be sure to read this manual.

Nous vous remercions d'avoir acheté cet appareil PIONEER. Avant de l'utiliser, prendre soin de lire ce manuel.

Muchas gracias por la adquisición de este producto PIONEER. Antes de tratar de operarlo, lea atentamente este manual.

شكراً لك على شرائك جهاز بايونير هذا. قبل محاولة تشغيله تأكد من قراءة هذا الدليل.



DEH-740

PIONEER
The Art of Entertainment

DEH-740
DEH-540

Precautions

CAUTION: USE OF CONTROL OR ADJUSTMENT OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION: THE USE OF OPTICAL INSTRUMENTS WITH THIS PRODUCT WILL INCREASE EYE HAZARD.

- To assure proper operation of the unit, keep the vehicle interior temperature within a normal range using the vehicle's air conditioner or heater.
- When replacing fuses, be sure to use only fuses of the rating prescribed on the fuse holder.
- Never remove the top case of the unit to attempt check or repairs. If operation of the unit is abnormal, contact your dealer or the nearest Pioneer Service Station.
- If the car's battery is disconnected for any reason, the preset memory will be erased and must be reprogrammed after reconnection of the battery.

In case of trouble

When the unit does not operate properly, contact your dealer or the nearest authorized PIONEER Service Station.

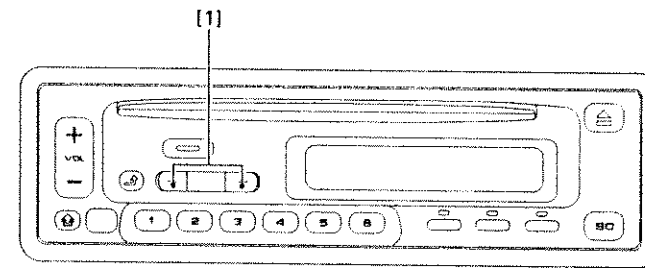


Fig. 1

Changing the Tuning Step

Parts Identification (Fig. 1)

[1] Tuning

Changing the Tuning Step

The tuning steps of the AM band for this unit can be switched between 9 kHz and 10 kHz per step. The tuning step should be switched from 9 kHz (which is preset at the factory) to 10 kHz when this unit is used in North America, Central America, or South America.

1. Turn the ignition switch off.
2. While pressing the (+) side of button [1], turn the ignition switch on. It should be noted that changing the tuning steps also deletes frequencies stored in the tuning memories.

	Specification	Initial setting	New setting
AM	Tuning steps	9 kHz steps	10 kHz steps
	Frequency range	531 — 1,602 kHz	530 — 1,710 kHz

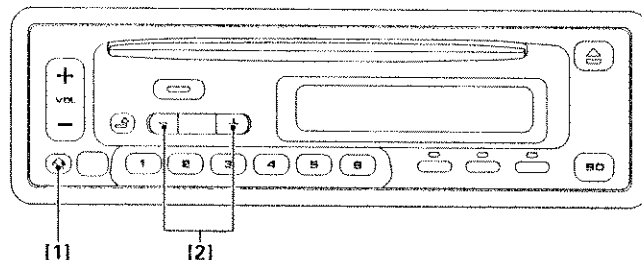


Fig. 2

Using the Removable Front Panel

Note:

This function is only available on DEH-740. DEH-540 does not operate the following function.

Parts Identification (Fig.2)

- [1] Detach button
- [2] Tuning

The front panel of this unit can be removed to prevent theft. Also, to prevent forgetting to remove the front panel, 5 seconds after the ignition is turned off, if the front panel is still attached, a buzzer will sound for a few seconds. If you wish to cancel the sound of the buzzer, please do as follows. Keep the minus side (-) of button [2] depressed and turn the vehicle's ignition key from OFF to ON. By repeating this procedure, the sound of the buzzer will be restored.

Detaching the Front Panel

- The front panel cannot be removed during disc loading or ejection.
- 1. Press button [1], and the left-hand side of the panel will eject.
- 2. To remove the front panel, pull its left-hand side toward you. (Fig.3)

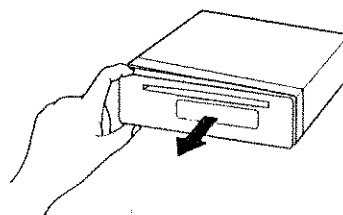


Fig. 3

- Take care not to put pressure on the display or drop the front panel.

3. Enclose for safekeeping the front panel that is removed in the supplied protective case. (Fig. 4)

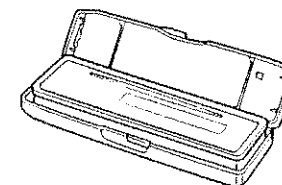


Fig. 4

Replacing the Front Panel

With a hollow in the right-hand end of the front panel aligned to projections on the right-hand front wall of the equipment, press the panel's left-hand side against the equipment to put it into place. (Fig. 5) (Fig. 6)

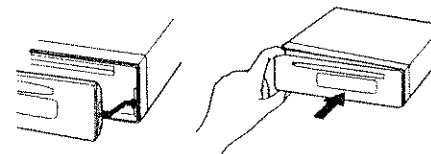


Fig. 5

Fig. 6

- When replacing the front panel, do not put pressure on the display or control buttons.

Precautions

- Do not touch the contacts on the front panel or on the unit body, since this may result in poor electrical contact. If dirt or other foreign substances get on the contacts, wipe them with a clean, dry cloth. (Fig. 7) (Fig. 8)

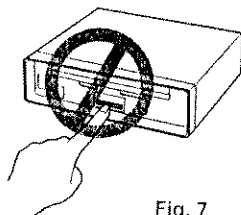


Fig. 7

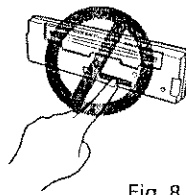


Fig. 8

Precautions When Handling the Front Panel

- Do not leave the front panel in any area exposed to high temperatures or direct sunlight.
- Do not drop the front panel or otherwise subject it to strong impact.
- Do not allow such volatile agents as benzene, thinner, or insecticides to come into contact with the surface of the front panel.
- Never try to disassemble the front panel.

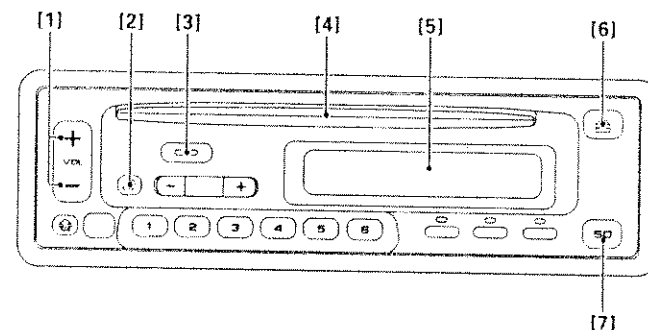


Fig. 9

Adjusting Volume and Tone

Parts Identification (Fig. 9)

- [1] Volume/Audio adjustment
- [2] Shift/Loudness
- [3] Illumination switch (DEH-740)
- [4] Disc Insertion Slot
- [5] Display
- [6] Eject
- [7] Source selector

Switching Power On

Tuner

Press button [7] to switch the tuner power on. Press button [7] again to switch the power off.

CD Player

When a disc is inserted half-way into the disc insertion slot [4] with its label side upward, the disc is automatically loaded and played. To remove the disc, push button [6].

Changing the source

To change the source, push button [7] with the disc inserted in the slot.

At each press of the button, the source changes as follows: CD player — Tuner — OFF.

Adjusting Audio

Press button [1] to adjust the volume. Each press of button [2] changes the display and the function of button [1] as follows:

Volume — Fader — Bass — Treble — Balance

Adjusting Volume

Pressing the (+) side of button [1] increases the volume, while the (-) side decreases it. (Display shows "V-00" ~ "V-30".)

- When driving your vehicle, be sure to keep the volume of the unit set low enough to allow you to hear sounds coming from outside.

Adjusting the Fader

Balancing the sound volume between the front and rear speakers.

Gradually transfer the sound to the front speaker by holding down the (+) side of button [1]. Gradually transfer the sound to the rear speaker by holding down the (-) side of button [1].

(Display shows "F-R9" ~ "F-F9".)

- Please set "F-0" when using a 2-speaker system.

Adjusting Bass

Pressing the (+) side of button [1] increases bass, while the (-) side decreases bass.

(Display shows "BS-6" ~ "BS+6".)

Adjusting Treble

Pressing the (+) side of button [1] increases treble, while the (-) side decreases treble.

(Display shows "TR-6" ~ "TR+6".)

Adjusting Balance

Pressing (+) side of button [1] shifts the balance to the left speaker, while the (-) side shifts it to the right speaker.

(Display shows "B-R9" ~ "B-L9".)

- When you're adjusting fader, bass, treble, or balance settings, the indicator will stop at the center setting. About 5 seconds after adjustment has been made, the display returns to its previous state.

Using the Loudness Function

Press button [2] for about 2 seconds and the "LOUD" indication will appear on the display. This loudness function lets you enhance both high and low frequencies to give a more natural sound at low volumes. To cancel this function, press button [2] again for about 2 seconds.

Switching Illumination Colour (DEH-740)

Pressing button [3] for more than 2 seconds causes the illumination color to switch between green and amber.

Adjusting Seek Sensitivity

The seek tuning function of this tuner lets you select between a local setting for reception of strong stations only, and a DX (distant) setting for reception of weaker stations. The local setting also has 4 seek tuning sensitivity levels for FM and 2 levels for AM to match local conditions.

Changing the Local Seek Sensitivity

1. Use button [1] to select a band.
 2. Hold down the button [6] for more than 2 seconds, and the display will show you the current local seek sensitivity (Example: "LOC-2") for about 5 seconds.
 3. While the local seek sensitivity remains on the display, press the (+) side of button [2] to increase the sensitivity level, and the (-) side to decrease the level as shown below.
 FM : LOC-1 \rightleftharpoons LOC-2 \rightleftharpoons LOC-3 \rightleftharpoons LOC-4
 AM : LOC-1 \rightleftharpoons LOC-2
 The LOC-4 setting allows reception of only the strongest stations, while lower settings let you receive progressively weaker stations.
- The display of local seek sensitivity returns to the frequency when about 5 seconds have elapsed after the change of sensitivity.

Switching between Local and DX

Press button [6] to switch between Local and DX (distant) seek tuning. When the frame of local seek [13] is lit, seek tuning is performed with the local seek sensitivity. Otherwise, seek tuning is performed with the DX seek sensitivity.

Manual Tuning

Use manual tuning when stations are too weak to be picked up by seek tuning.

1. Turn on "MANU" [11] by simultaneously pressing the (+) side and the (-) side of button [2].
2. Each press of the (+) side of button [2] increases the frequency in 50 kHz steps in the FM band, 9 kHz in the AM band. Pressing the (-) side of button [2] decreases the frequency. Holding down either side of button [2] changes the frequency at high speed.
 - AM frequencies are turned in 10 kHz steps after the tuning steps are changed.

Switching between FM Stereo and Mono

Generally, it is best to allow the "Super Tuner" function to automatically set the optimum listening conditions. \odot [9] turns on during stereo broadcast is in reception. When there is a large amount of noise, you can press button [5] for clearer mono reception (The frame of FM mono [12] turns on).

BSM (Best Stations Memory)

This function automatically locates stronger stations and automatically assigns their frequencies to the buttons in Bank [8], from strongest to weakest. It comes in handy when trying to find local stations while driving.

1. Press button [1] and select a band.

2. Hold down button [7]. After about 2 seconds, a "beep" will sound to signal that the BSM search has started. At this time, "BSM" will flash on the display.
3. The frequency display will return once BSM search is complete, and frequencies are assigned to buttons 1 through 6 in Bank [8].
 - At the end of the BSM search, the displayed frequency is that assigned to button \square of Bank [8].
 - You can cancel BSM search by pressing button [7] again.
 - If there are fewer than 6 strong stations in the area, some of the buttons in Bank [8] will not be assigned frequencies, so they will retain any frequencies assigned to them previously.
 - BSM search may take as long as 30 seconds in areas where there are few strong stations.

Preset Scan Tuning

This function lets you automatically monitor the stations assigned to the preset buttons.

1. Pressing button [7] turns on the frame of preset scan [14] and flashes preset number [15].
 Each station assigned to the buttons in Bank [8] will be automatically tuned in for about 8 seconds.
2. When you hear a station that you like, press button [7] again to cancel preset scan tuning and remain at that station.

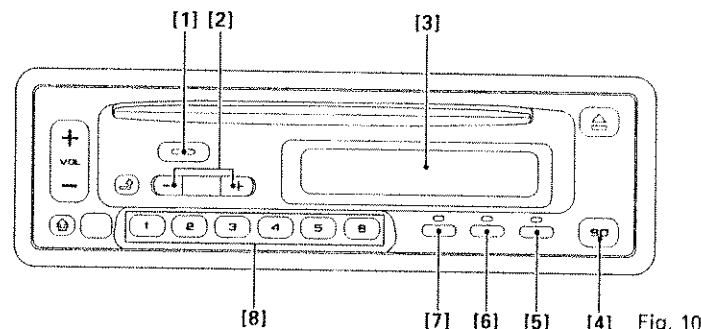


Fig. 10

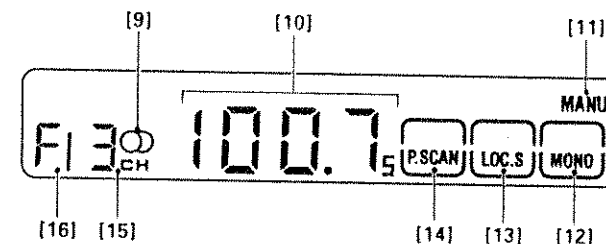


Fig. 11

Using the Radio

Parts Identification

Fig. 10

- [1] Band
- [2] Tuning/Local seek sensitivity/Seek, Manual
- [3] Display
- [4] Source selector
- [5] FM stereo/Mono
- [6] Local station
- [7] Preset scan/Best stations memory (BSM)
- [8] Preset

Fig. 11

- [9] FM stereo
- [10] Frequency
- [11] Manual
- [12] FM mono
- [13] Local station
- [14] Preset scan
- [15] Preset number
- [16] Band

Listening to the Radio

1. Turn on the tuner's power by pressing button [4].

Each time the button is pushed the main unit switches between tuner and power off modes.

- This operation will differ if there is a CD inserted in the CD player. Refer to the section on the source switch on page 4 for details.

2. Press Button [1] to select a band.

FM1 FM2 FM3 AM

3. Use seek tuning to tune in a frequency.

Ensure that "MANU" [11] is not indicated on the display. (If so, turn it off by simultaneously pressing the (+) and the (-) sides of button [2].)

Press either the (+) side or the (-) side of button [2]. When the (+) side is pressed, the tuner will automatically receive high frequencies.

When the (-) side is pressed, it will automatically receive low frequencies.

4. Adjust volume and tone (see page 4).

5. Assign the tuned frequency to one of the Buttons in Bank [8] (preset memory).

Press and hold down one of the buttons in Bank [8] for at least 2 seconds. The frequency is assigned to the selected button when the preset number [15] stops flashing on the display. Up to 18 FM stations (6 each for FM1, FM2 and FM3), and six AM stations can be assigned to the preset memory buttons in Bank [8].

6. Once a frequency is assigned to a Button in Bank [8], you just need to press that Button to tune it in.

This also causes the number of the button pressed to appear at Position [15] on the display.

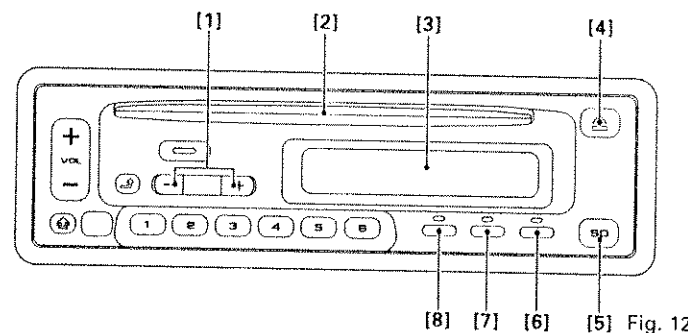


Fig. 12

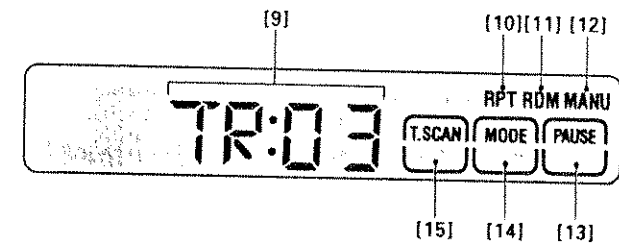


Fig. 13

Playing Compact Discs

Parts Identification

Fig. 12

- [1] Track number search/
Fast forward, Reverse
- [2] Disc insertion slot
- [3] Display
- [4] Eject
- [5] Source selector
- [6] Pause
- [7] Mode
- [8] Highlight scan

Fig. 13

- [9] Track number
- [10] Music repeat
- [11] Random play
- [12] Manual
- [13] Pause
- [14] Mode
- [15] Highlight scan

Discs

- Only use compact discs (optical digital audio discs) bearing the mark shown below. (Fig. 14)



Fig. 14

- Be sure never to touch the signal surface when handling discs. Pick up discs by grasping the outer edges or the edge of the hole and the outer edge. (Fig. 15) (Fig. 16)

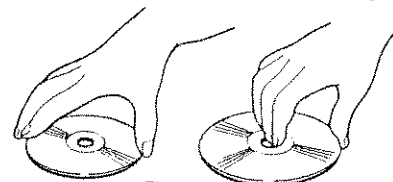


Fig. 15

Fig. 16

- Dust and/or finger smudges will have no direct effect on the signal recorded on the disc, but dirt can decrease the amount of light reflected from the recorded surface, thus affecting sound quality. If the disc should become soiled, gently wipe the surface with a soft lint-free cloth, wiping from the center of the disc to the edge. (Fig. 17)

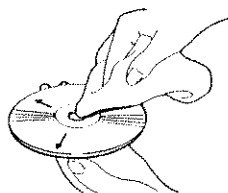


Fig. 17

- Do not use record sprays or antistatic agents. Such volatile chemicals as benzine and thinner can also damage the surface of the disc and should not be used.
- As with traditional audio records, compact discs are made of plastic. To avoid warping, keep the discs in their cases and do not store them in places exposed to direct sunlight.

Listening to the Compact Disc

1. On inserting the CD, with the label side up, half way into the CD slot [2], it will automatically be set into position and start to play.

The track number [9] indicator will light.

2. Adjust volume and tone (see page 4).

3. To stop CD playback, press button [5] turning the power off.

Pressing the button will change the source as follows: CD Player — Tuner — OFF.

Press button [5] again to restart playback. It will play from close to where it was previously stopped.

4. To remove or change discs, press button [4].

When the disc is ejected, pressing it will cause it to be set into position again, and playback to start.

Note:

- In order to protect the disc, eject it after it has stopped rotating. The timing of ejection may differ according to the disc.
- If a disc can only be inserted halfway, or if the disc does not play after being loaded, something may be wrong with the disc. Eject the disc by pressing button [4], and check it. If it is all right, insert it again.
- Insert the disc with its label (printed) side facing up. If the disc is inserted with the label side facing down, it will not play, and the recorded side may be damaged.
- Do not insert 2 discs into the slot at the same time. This may cause a malfunction.
- Do not leave an ejected disc in the insertion slot for extended periods since direct sunlight can cause warping. Always return discs to their cases and store in areas not exposed to direct sunlight. (Fig. 18)



Discs should not be left like this for extended periods.

Fig. 18

- Do not leave an ejected 8-cm CD in the slot while driving. The vibration may make it drop out.
- When driving on an uneven road, the player may not reproduce every sound property.

Condensation

- During winter the inside of the vehicle may be very cold. If the heater is turned on and the player is used soon after, the disc or optical parts (prism, lens, etc.) may become misted up. If the disc is misted up, wipe it with a soft cloth. If the optical parts are misted up, wait for about an hour for them to warm up. They will return to their normal condition.

Track Number Search

The desired track on the disc currently being played can be selected by track (or song) number.

1. Ensure that "MANU" [12] is not indicated on the display. If so, turn it off by simultaneously pressing the (+) side and the (-) side of button [1].
2. Use the button [1] to select a track. Pressing the (+) side increases the track number [9], and pressing the (-) side decreases it. Holding the button down continuously increases or decreases the track number.

Using Fast Forward and Reverse

1. Press simultaneously both (+) and (-) sides of the button [1] "MANU" [12] will appear on the display. At this time the display will show the amount of elapsed disc play time (Example: "01'05").
2. Press the (+) side of button [1] for fast forward, and the (-) side for reverse.
 - Sound is output during fast forward and reverse operations.
 - When a disc in which there are several seconds between tracks is used, the amount of elapsed disc-play time is shown, for example, as "-02", "-01" and "-00".

Pausing

1. Press button [6] to pause during disc playback (Track number [9] will change to "----", and "PAUSE" [13] frame appears).
 2. Press button [6] again to release pause.
 - It is possible to select music even during pause by using the track number search ("----" [9] will change to Track number, and "PAUSE" [13] frame turns off while the music is being selected).
- When the selection is completed, the playback will be paused at the beginning of the music.

Using Highlight Scan

Highlight Scan is designed to enable you to conveniently scan all pieces of music contained in the disc by playing 10 seconds each at your designated point of time after the start of the music. The starting time of play is set at one minute in factory.

Therefore, the Highlight Scan begins one minute after the start unless you designate it otherwise.

When you do not want to change the factory-set time:

1. Pressing Button [8] turns on the frame of Highlight Scan [15].
 2. The contained pieces of music will be played in sequence for 10 seconds each one minute after the beginning.
 3. Press Button [8] again when your selected piece comes, and it will continue to play. At this point, the Highlight Scan discontinues to operate.
- The previous function automatically resumes when a piece of music with which Highlight Scan began returns.

Changing the Starting Time of Highlight Scan

When you want to set the starting time of the Highlight Scan to 30 seconds:

1. Indicate "MANU" [12] on the display by simultaneously pressing the (+) side and the (-) side of button [1].
2. Keep pressing either (+) or (-) side of Button [1] until the numeral reaches 30.
3. Pressing Button [8] for 2 or more seconds, turns on the frame of Highlight Scan [15].

Highlight Scan will begin 30 seconds after the start of the next piece of music.

- The starting time of Highlight Scan can be designated at ten or tens of seconds only. A tenth or tenths of seconds can be disregarded.
- If a piece of music ends before your designated point of time at which Highlight Scan starts, the scanning is performed for its beginning 10 seconds.
- If a piece of music lasts less than 10 seconds, so does the Highlight Scan.
- You may wish to change the starting time longer without suspending the function. You may do so, however, only to a relatively long-playing piece of music because, as a matter of course, the time cannot be set so as to come after the end of the music.

Using Music Repeat and Random Play

Each Press of button [7] causes the mode to change as follows: Music Repeat ("RPT" [10] and "MODE" [14] frames appear) — Random Play ("RDM" [11] and "MODE" [14] frames appear) — Normal ("MODE" [14] frame turns off).

Music Repeat

1. To repeat the music you are listening to, select the repeat mode ("RPT" [10] appears).
 2. To cancel music repeat, press button [7] to turn off "RPT" [10].
- When music repeat is not operational, the whole disc will be played repeatedly.

Random Play

1. To play music randomly, select the random play mode ("RDM" [11] appears). Once the current track has been played, the microprocessor will randomly select the next and subsequent tracks.
 2. To cancel random play, press button [7] to turn off "RDM" [11].
- Since selections are played in random order, the same selection may be played twice in succession.

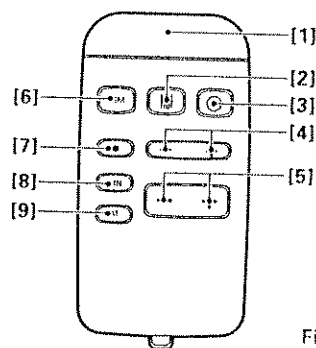


Fig. 19

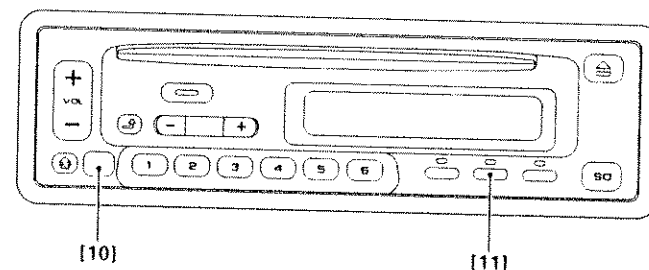


Fig. 20

Using the Remote Control

Note:

Remote control is only available on DEH-740. DEH-540 does not have remote control function.

[1] Transmitter

[2] Tuner

The tuner is selected. Pressing again turns off the power.

[3] CD

When a disc is inserted in the built-in CD player, the unit will switch to disc play mode. Pushing the button once again turns the power off.

[5] Volume

Press the (+) side to increase volume and the (-) side to decrease volume.

[8] Learn Button

Takes on the function of the button operation recorded with the learning function. Refer to the "Learning Function" section for details.

[9] Attenuator

Press to reduce the volume to 1/10 of its current setting (volume display flashes). Pressing again returns the volume to its original level.

- This function is available using the remote controller unit only.

[10] Remote control sensor

Operating the Tuner

[4] Preset Channel

Press to tune the frequencies assigned to the preset button memory. Pressing the (+) side tunes in the next high preset button number, while (-) tunes in the next lower preset button number. The preset number changes at high speed when you hold either side of this button down.

[6] Best Stations Memory

Hold on this button for about 2 seconds, and you will hear a beep and see Best Stations Memory start.

[7] Band

Band changes.

F I → F II → F III → A
(FM1) (FM2) (FM3) (AM)

Operating the CD Player

[4] Track Number Search

Press to search for a selection (track number) on the current disc. Press the (+) side to increase the track number on the display, and the (-) side to reduce the track number. Holding down either side of this button changes the track number at high speed.

Learning Function

Records one button from the main unit on the remote control's learn button. This can be convenient when a button which is used often is recorded.

1. While playing the CD, press button [11] on the main unit for about 2 seconds, until a beep is emitted. "LRN" will be displayed on the display.
- *While the radio is on, the button can not be recorded on to the remote control's learn button.*
2. Press the button on the main unit that you want to use on the remote control.
3. Press the learn button [8] on the remote controller unit. The main unit button recorded can now be used from the remote control.
- Perform button recording while "LRN" is displayed. If about 5 seconds pass without a button being recorded, the "LRN" display will clear, and the previously recorded button will remain in memory.

Preparing to Use the Remote Controller Unit

Loading Batteries

1. Remove the battery compartment cover from the remote controller unit.
2. Load 2 batteries, whose type is UM-4, AAA, or R03, as applicable, that come with the unit into the remote controller unit, ensuring that their polarity (+/-) is correct.
3. Replace the battery compartment cover.

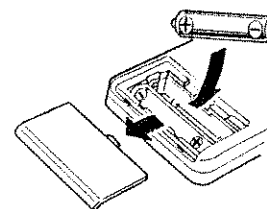


Fig. 21

Precautions When Loading Batteries

Note the following precautions when loading batteries into the remote controller unit to avoid damage due to battery fluid leakage.

- Always check carefully that you are loading batteries with their \oplus and \ominus poles facing in the proper directions.
- Never mix old and new batteries. Always replace batteries with 2 new ones.
- Some batteries may appear to be identical but have different voltage ratings. Never mix battery types.
- Some batteries can be recharged and some cannot. Be sure to carefully read the label for the batteries you use.
- To avoid damage to the remote controller caused by battery leakage, remove the batteries from the remote controller if you do not plan to use it for more than one month. If you find that fluid has leaked, thoroughly wipe out the battery compartment and load a set of new batteries.

Precautions

- Keep the remote controller unit in an area not exposed to long periods of direct sunlight.
- The remote controller unit may not operate properly if the transmitter of the remote controller unit is pointed towards the floor or the seat of the vehicle.
- Since the transmitter employs an infrared system, it may not operate properly while car stereo unit is exposed to direct sunlight. In such a case, block the sunlight from the sensor and then perform the desired operation.
- If the remote controller fails to operate unless it is brought close to the unit, it may indicate that battery power is low. Replace the batteries in the remote controller.

Installing the Remote Controller Unit

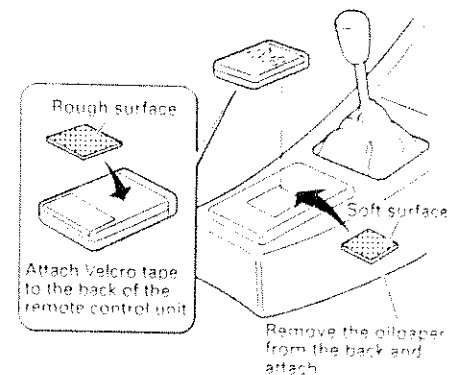


Fig. 22

Affix a strip of Velcro tape to the back of the remote control unit. Remove the oil paper on the back and affix into place.

- Thoroughly wipe off the surface before affixing the Velcro tape.

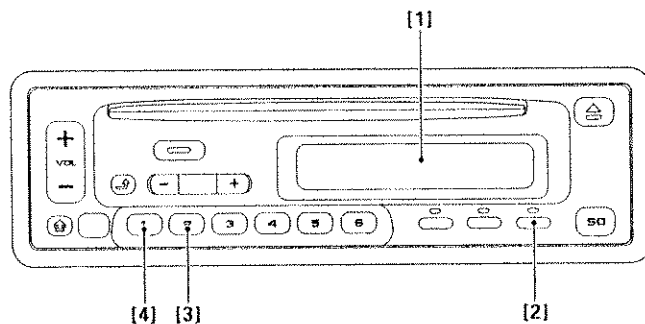


Fig. 23

Using the Clock Display

Parts Identification (Fig. 23)

- [1] Display
- [2] Clock
- [3] Minute Adjustment
- [4] Hour Adjustment

Displaying the Time

The clock is displayed when button [2] is pressed (for more than 2 seconds) till it beeps. Following the same procedure will turn off clock display.

- The clock display can be used only when the main unit is in operation.
- When the clock display is ON, pressing other buttons will release the clock display. The display will be restored approximately 25 seconds after the button operation has been completed.

Adjusting the Time

Adjusting the Hours

Press button [2] till it beeps (for more than 2 seconds). While pressing button [2], press button [4] simultaneously to adjust the hour setting of the clock. Each press of button [4] advances the hour setting by one hour, and holding it down advances the setting at high speed.

Adjusting the Minutes

Press button [2] till it beeps (for more than 2 seconds). While pressing button [2], press button [3] simultaneously to adjust the minute setting of the clock. Each press of button [3] advances the minute setting by one minute, and holding it down advances the setting at high speed.

Connecting the Units

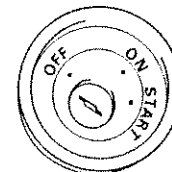
Note:

- Before making final connections, make temporary connections then operate the unit to check for any connecting cord problems.
- Refer to the owner's manual for details on connecting the various cords of the power amp and other units, then make connections correctly.
- Be sure to connect the memory power supply lead (orange) to a terminal that is always supplied with power regardless of the vehicle's ignition switch position. If this connection is made incorrectly or is forgotten, the unit will not work at all.
- Don't pass the orange lead through a hole into the engine compartment to connect to the battery. This will damage the lead insulation and cause a very dangerous short.
- Since a unique BPTL circuit is employed, never wire so the speaker leads are directly grounded or the left and right speaker \ominus leads are common.
- Speakers connected to this unit must be high-power types possessing minimum rating of 30 W and impedance of 4 to 8 ohms. Connecting speakers with output and/or impedance values other than those noted here can damage the speakers.
- When the power amp is being linked with this system, be sure not to connect the blue lead to the amp's power terminal. Likewise, when linking this system with the auto-antenna, do not connect to power terminal for the antenna. Such connection can make overcurrent cause malfunctions.

- When the unit is mounted in a vehicle whose ignition switch does not have the ACC (accessory) position as shown in Fig. 25, be sure to connect the red lead of the unit to the terminal controlled by the ignition switch ON/OFF position. If you do not, the vehicle battery may go flat when you leave your vehicle for several hours.



ACC position



No ACC position

Fig. 24

Fig. 25

2/4-Speaker system (Fig. 26)

- When using only a single power amp (sold separately), connect the rear output cord to the main amp. (DEH-740)

External 4 channel amp system (DEH-740) (Fig. 27)

- Optional front speakers can be connected as illustrated with in the "...", to make it a 6-speaker system. In this case, fader function of this unit will control the volume balance between the 4 front speakers and the 2 rear speakers.

1. Front out
(These leads are included with the DEH-740.)
2. Rear out
3. Red
4. White
5. No connection in this type of system.
6. Antenna jack
7. Black (ground)
To vehicle (metal) body.
8. Red
To electric terminal controlled by ignition switch (12 V DC) ON/OFF.
9. Orange
To terminal always supplied with power regardless of ignition switch position.
10. Blue
To system control terminal of the power amp (4-speaker system) or Auto-antenna relay control terminal (Max. 300 mA 12 V DC).
11. Fuse resistor
12. Fuse holder
13. Connecting cords with RCA pin plugs (sold separately)
14. Power amp (sold separately)
15. Blue
16. Not connected to anything for 2-speaker system.
17. Green
18. Green/Black
19. Gray
20. Gray/black
21. Front/left speaker
22. Front/right speaker
23. Rear/left speaker
24. Rear/right speaker
25. Blue
To system control terminal of the power amp.
26. No connection in this type of system.

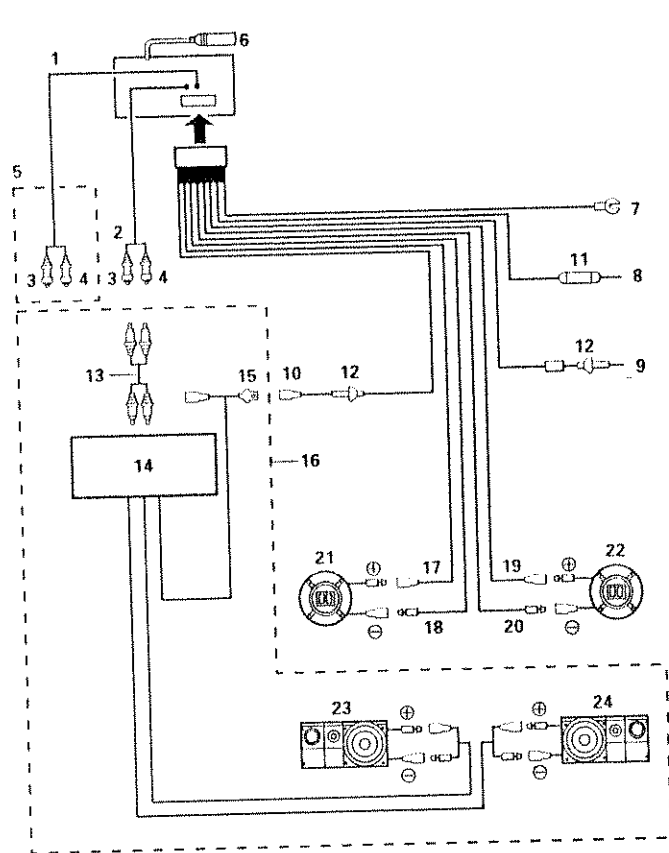


Fig. 26

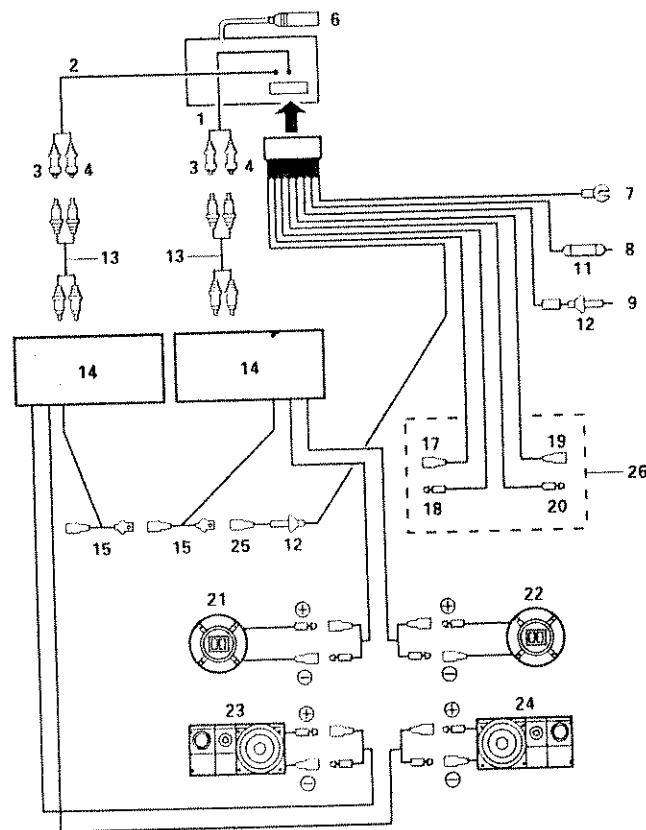


Fig. 27

Installation

Note:

- Use only the parts included with the unit to ensure proper installation. The use of unauthorized parts can cause malfunctions.
- Consult with your nearest dealer if installation requires the drilling of holes or other modifications of the vehicle.
- If installation angle exceeds 30° from horizontal, the unit might not give its optimum performance. (Fig. 28)
- The semiconductor laser will be damaged if it overheats, so don't install the unit anywhere hot – for instance, near a heater outlet.

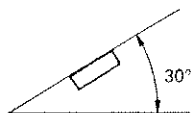


Fig. 28

Installation with the rubber bush

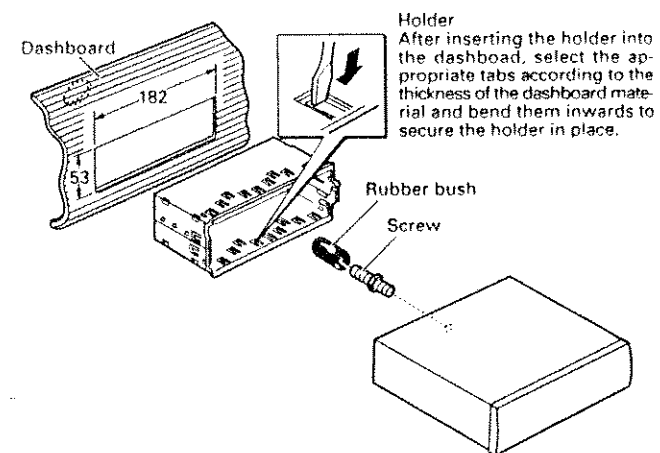


Fig. 29

Installation without the rubber bush

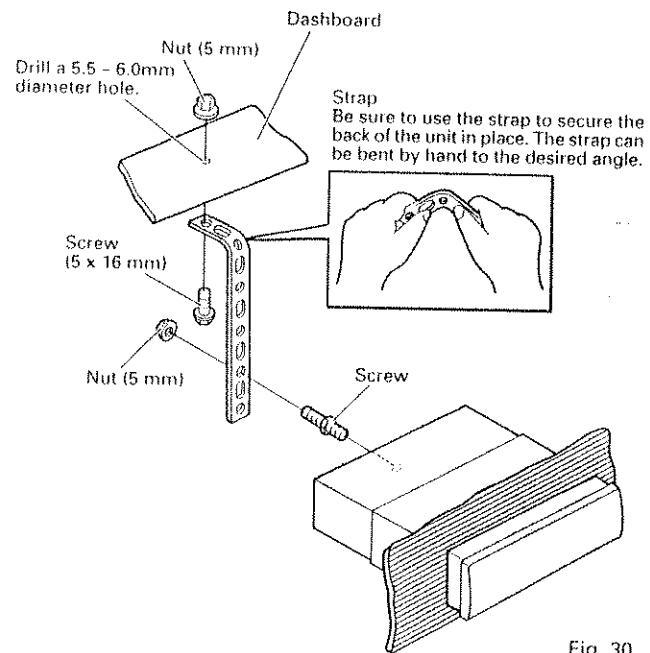
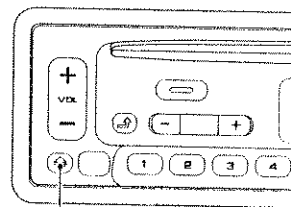


Fig. 30

Removing the unit (DEH-740)

Remove the front panel (refer to page 3).



Press this button.

Fig. 31

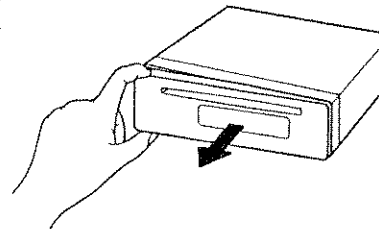


Fig. 32

Insert the tab of the lever till it catches onto the metal fixture of the unit.
(Point the tab of the lever downward.)
To remove the unit, push the lever downwards while pulling it towards you.

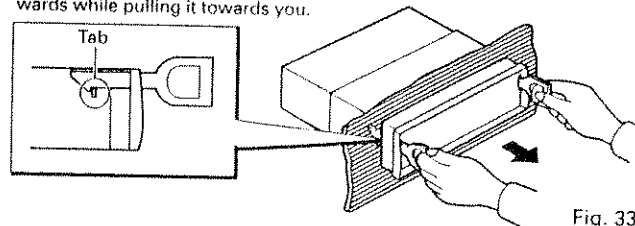


Fig. 33

Removing the unit (DEH-540)

Insert the tab of the lever till it catches onto the metal fixture of the unit.
(Point the tab of the lever downward.)
To remove the unit, push the lever downwards while pulling it towards you.

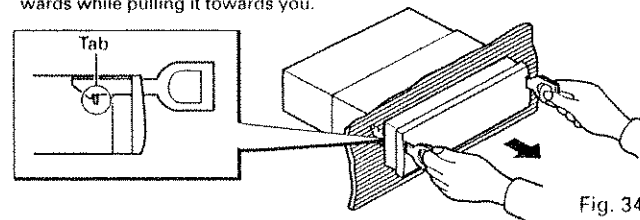


Fig. 34

Specifications

General

Power source 14.4 V DC (10.8 – 15.6 V allowable)
 Grounding system Negative type
 Max. current consumption 5.5 A
 Dimensions (chassis) 178(W) × 50(H) × 150(D) mm
 (nose) 188(W) × 58(H) × 18(D) mm
 Weight 1.5 kg

Amplifier

Max. power output 30 W × 2 (EIAJ)
 Continuous power output 14 W × 2 (1 % dist. at 1 kHz)
 Continuous power output is 10 W per channel min. into 4 ohms,
 both channels driven 50 to 15,000 Hz with no more than 5 % THD.
 Load impedance 4 Ω (4 – 8 Ω allowable)
 Nominal output level/
 output impedance (pre out) 500 mV/1 kΩ
 Tone controls (bass) ± 12 dB (100 Hz)
 (treble) ± 12 dB (10 kHz)
 Loudness contour +10 dB (100Hz), + 6.5 dB (10 kHz)
 (volume: – 30 dB)

CD player

System Compact disc audio system
 Usable discs Compact disc
 Signal format Sampling frequency: 44.1 kHz
 Number of quantization bits: 16; linear
 Frequency characteristics 5 – 20,000 Hz (±1 dB)
 Signal-to-noise ratio 94 dB (1 kHz) (IEC-A network)
 Dynamic range 90 dB (1 kHz)
 Number of channels 2 (stereo)

FM tuner

Frequency range 87.5 – 108 MHz
 Usable sensitivity 11 dBf (1.0 μV/75 Ω, mono, S/N: 30 dB)
 50 dB quieting sensitivity 16 dBf (1.7 μV/75 Ω, mono)
 Signal-to-noise ratio 70 dB (IEC-A network)
 Distortion 0.3 % (at 65 dBf, 1 kHz, stereo)
 Frequency response 30 – 15,000 Hz (± 3 dB)
 Stereo separation 40 dB (at 65 dBf, 1 kHz)

AM tuner

Frequency range 531 – 1,602 kHz (9 kHz)
 530 – 1,710 kHz (10 kHz)
 Usable sensitivity 18 μV (25 dB) (S/N: 20 dB)
 Selectivity 50 dB (± 9 kHz)
 50 dB (± 10 kHz)

Note:

Specifications and the design are subject to possible modification with-out notice due to improvements.